

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033217.D
 Acq On : 17 Mar 2018 4:22
 Operator : SJ/JU
 Sample : J1931-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1464-OILY-DEBRIS

Quant Time: Mar 17 05:24:24 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	38592	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	163931	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	126611	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	328160	20.00	ng	0.00
75) Chrysene-d12	22.60	240	340997	20.00	ng	0.00
86) Perylene-d12	26.40	264	371268	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	279268	115.77	ng	0.00
7) Phenol-d6	8.00	99	428000	127.29	ng	-0.01
23) Nitrobenzene-d5	10.10	82	355928	143.01	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	301509	226.48	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	851875	97.04	ng	0.00
78) Terphenyl-d14	20.76	244	1582154	104.24	ng	0.00

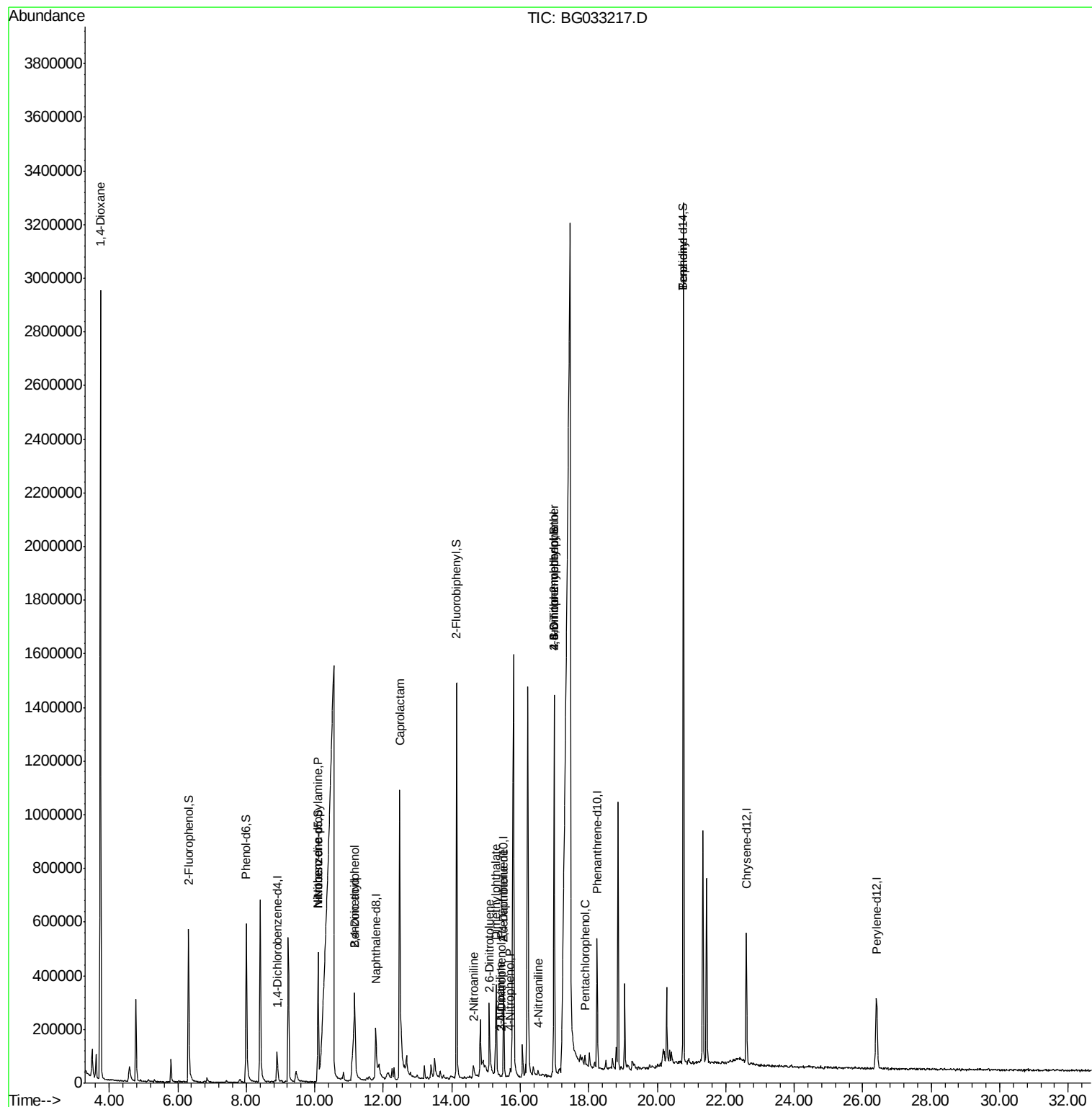
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.74	88	65103	62.187	ng	# 1
19) n-Nitroso-di-n-propylamine	10.10	70	51560	21.721	ng	# 76
24) Nitrobenzene	10.10	77	685	6.608	ng	# 49
27) 2,4-Dimethylphenol	11.17	122	204805	81.937	ng	# 2
32) Benzoic acid	11.17	122	204805	94.069	ng	# 89
35) Caprolactam	12.48	113	57783	63.612	ng	# 1
47) 2-Nitroaniline	14.63	65	1345	10.349	ng	# 9
49) Dimethylphthalate	15.30	163	213656	19.874	ng	# 96
50) 2,6-Dinitrotoluene	15.08	165	508	9.131	ng	# 50
52) 3-Nitroaniline	15.41	138	59	7.566	ng	# 1
53) 2,4-Dinitrophenol	15.47	184	53	3.524	ng	# 1
55) 4-Nitrophenol	15.67	139	53	7.108	ng	# 50
56) 2,4-Dinitrotoluene	15.51	165	16053	14.444	ng	# 19
61) 4-Nitroaniline	16.54	138	54	5.320	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	928	6.147	ng	# 75
66) 4-Bromophenyl-phenylether	16.99	248	22143	6.381	ng	# 1
69) Pentachlorophenol	17.89	266	5489	2.324	ng	# 96
76) Benzidine	20.76	184	26629	2.291	ng	# 87

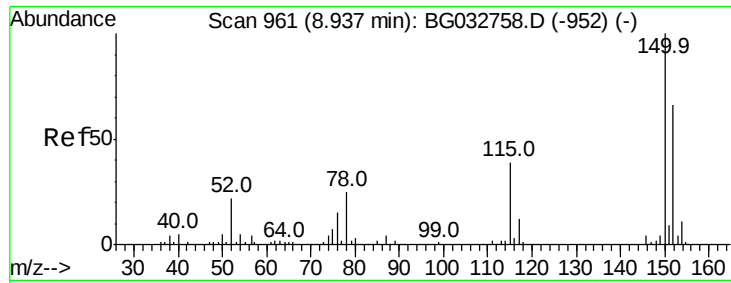
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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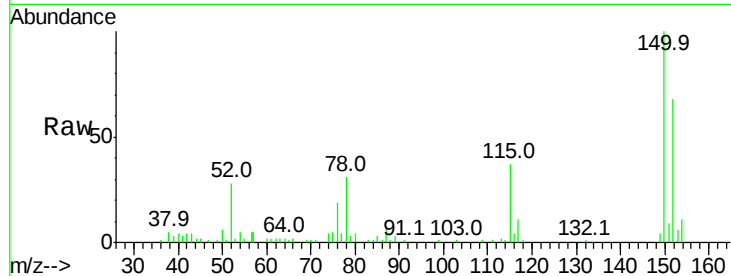


#1

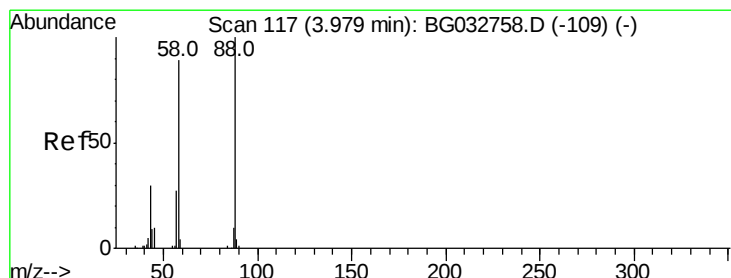
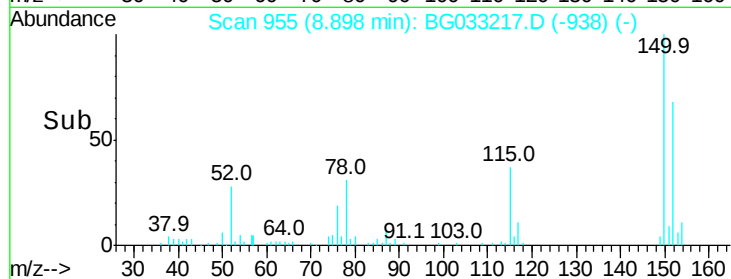
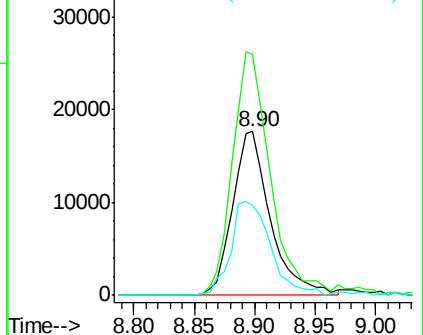
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

Instrument :
BNA_G
ClientSampleId :
1464-OILY-DEBRIS

Tot Ion:152 Resp: 38592
Ion Ratio Lower Upper
152 100
150 147.1 126.6 189.8
115 54.8 53.0 79.4



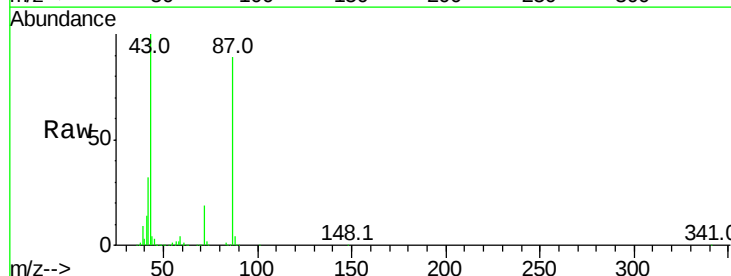
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



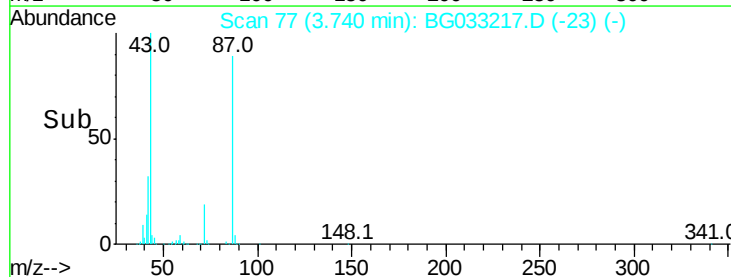
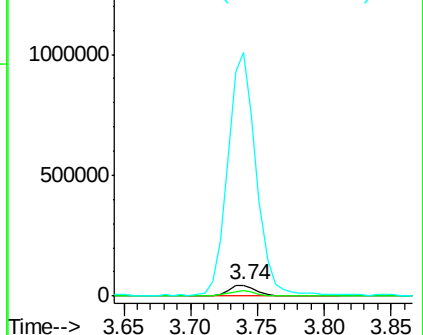
#2

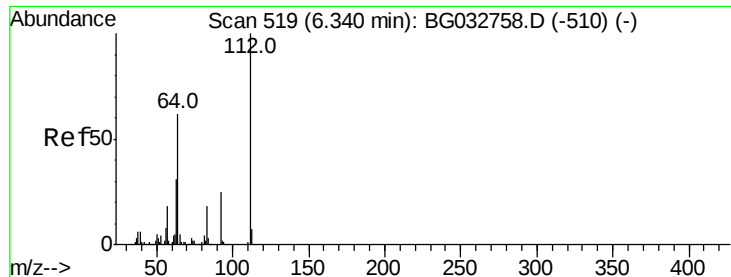
1,4-Dioxane
Concen: 62.187 ng
RT: 3.74 min Scan# 77
Delta R.T. -0.21 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

Tgt Ion: 88 Resp: 65103
Ion Ratio Lower Upper
88 100
58 45.7 79.6 119.4#
43 2286.5 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 115.772 ng

RT: 6.31 min Scan# 515

Delta R.T. -0.01 min

Lab File: BG033217.D

Acq: 17 Mar 2018 4:22

Instrument :

BNA_G

ClientSampleId :

1464-OILY-DEBRIS

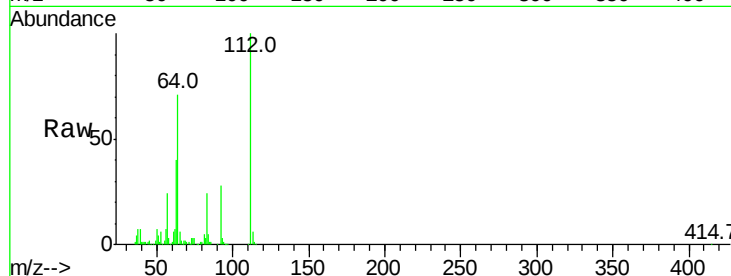
Tot Ion:112 Resp: 279268

Ion Ratio Lower Upper

112 100

64 71.3 56.3 84.5

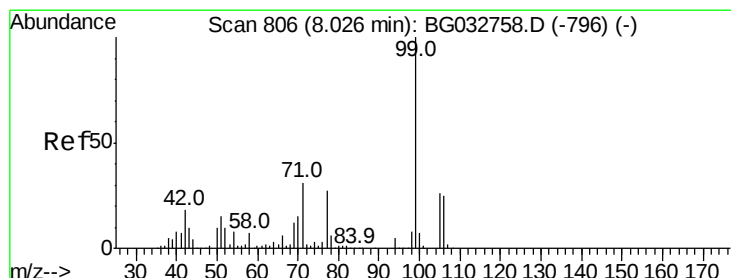
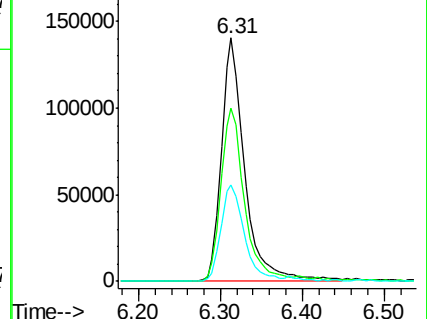
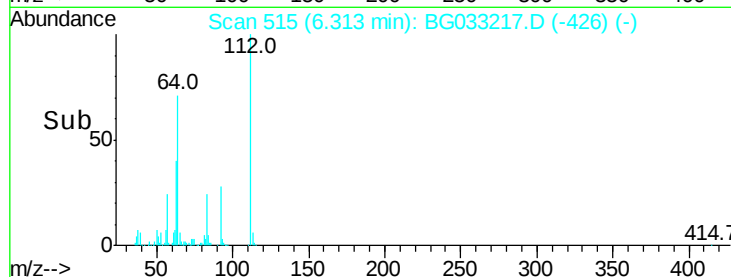
63 39.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 127.294 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033217.D

Acq: 17 Mar 2018 4:22

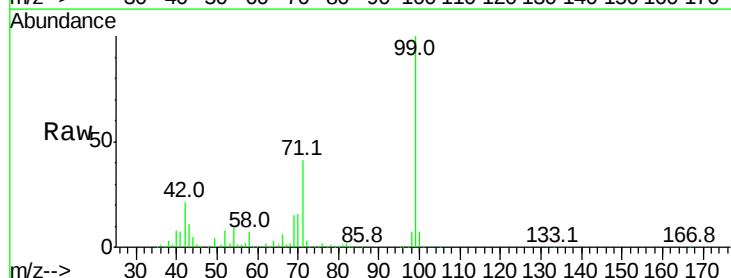
Tgt Ion: 99 Resp: 428000

Ion Ratio Lower Upper

99 100

42 20.8 14.1 21.1

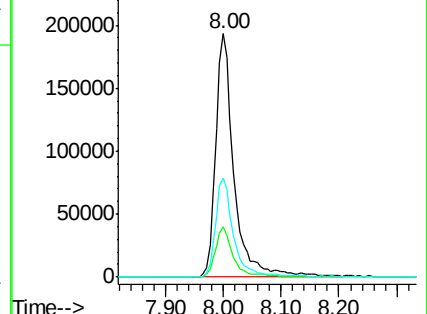
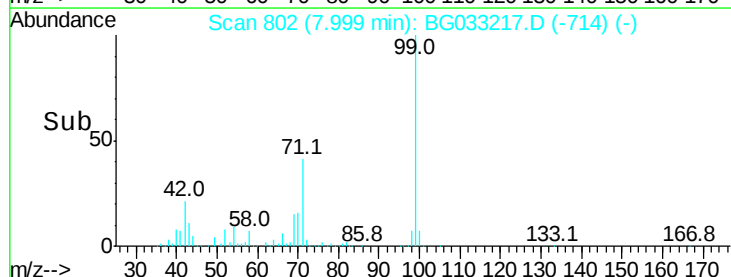
71 40.7 26.1 39.1#

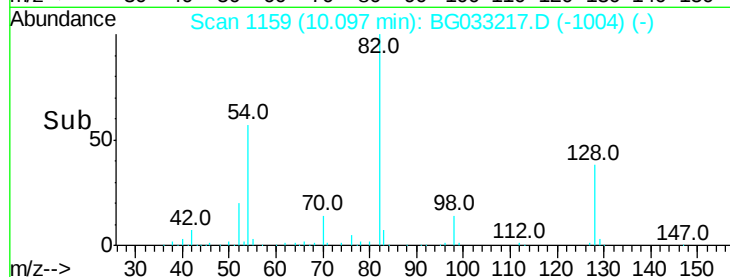
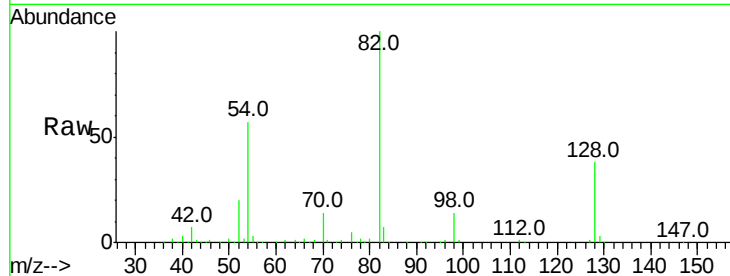
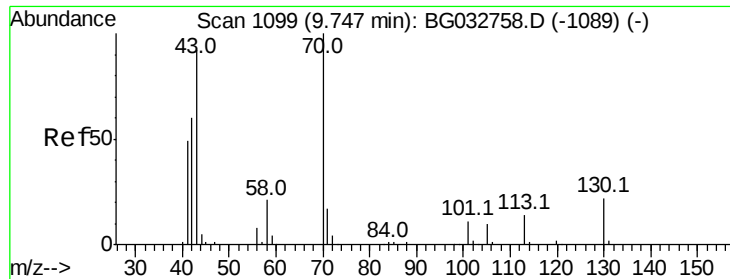


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

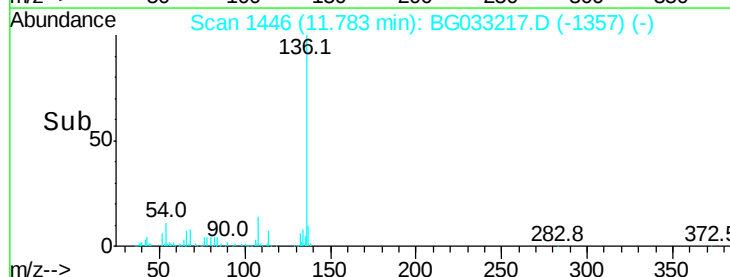
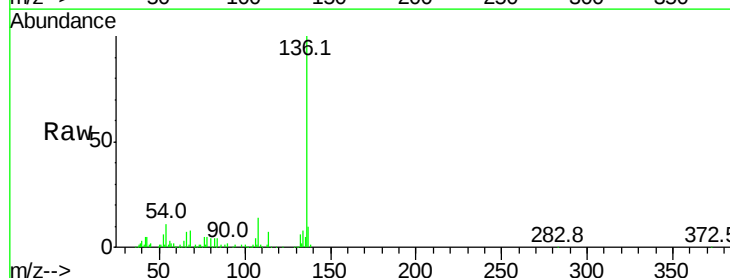
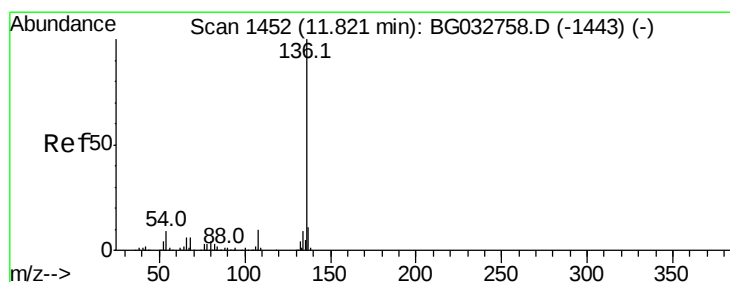
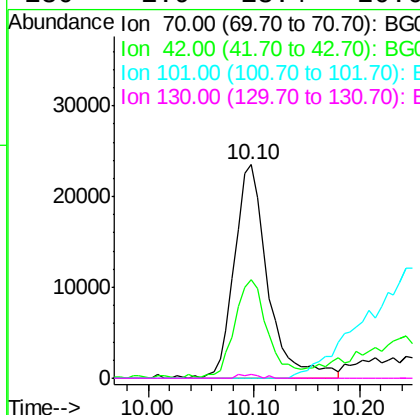




#19
n-Nitroso-di-n-propylamine
Concen: 21.721 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

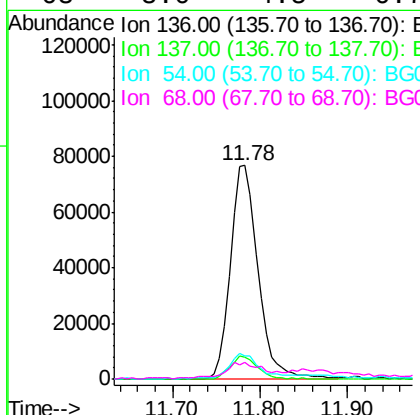
Instrument :
BNA_G
ClientSampleId :
1464-OILY-DEBRIS

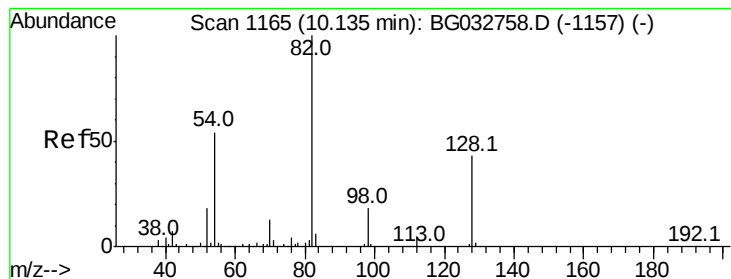
Tot Ion: 70 Resp: 51560
Ion Ratio Lower Upper
70 100
42 45.9 49.1 73.7#
101 0.0 8.5 12.7#
130 1.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

Tgt Ion: 136 Resp: 163931
Ion Ratio Lower Upper
136 100
137 10.1 9.2 13.8
54 10.5 10.3 15.5
68 8.0 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 143.013 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033217.D

Acq: 17 Mar 2018 4:22

Instrument :

BNA_G

ClientSampleId :

1464-OILY-DEBRIS

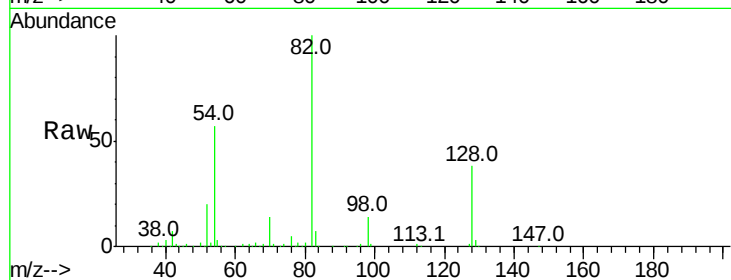
Tot Ion: 82 Resp: 355928

Ion Ratio Lower Upper

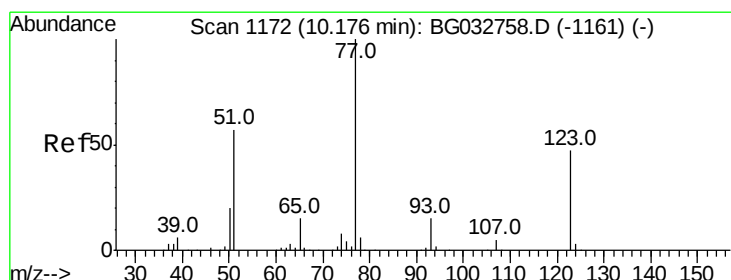
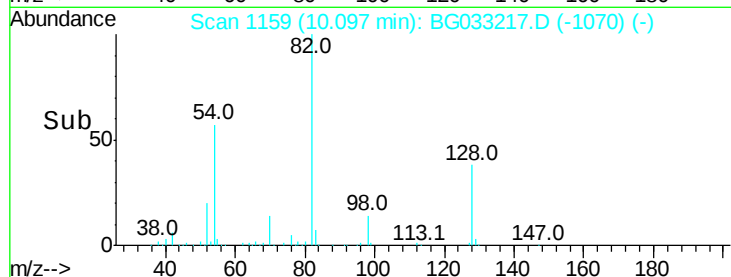
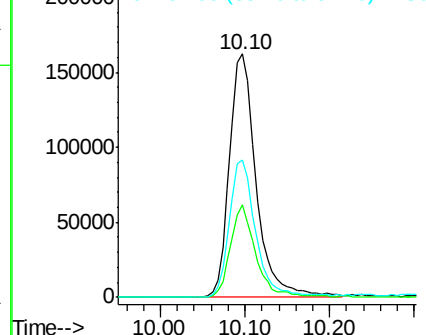
82 100

128 38.0 29.7 44.5

54 56.6 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 6.608 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.05 min

Lab File: BG033217.D

Acq: 17 Mar 2018 4:22

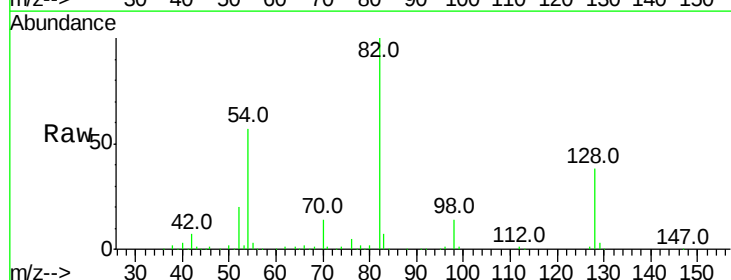
Tgt Ion: 77 Resp: 685

Ion Ratio Lower Upper

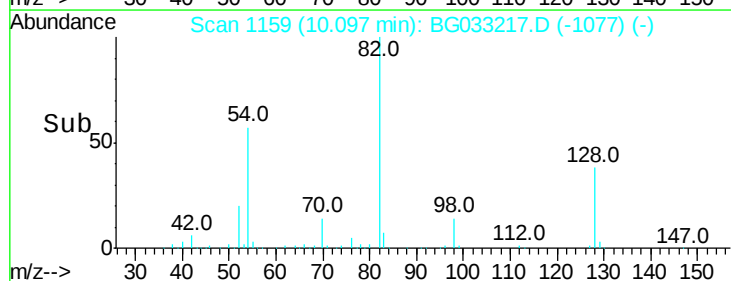
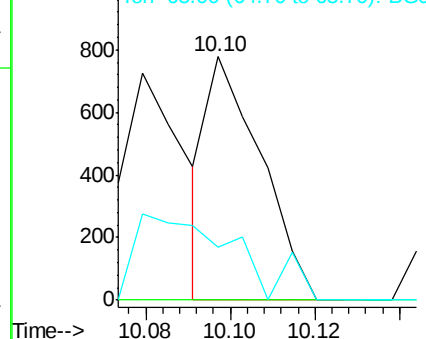
77 100

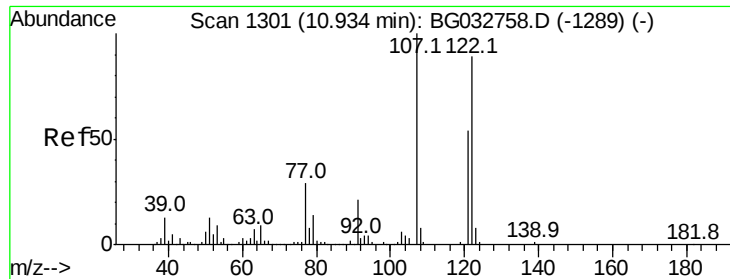
123 0.0 33.0 49.6#

65 21.6 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

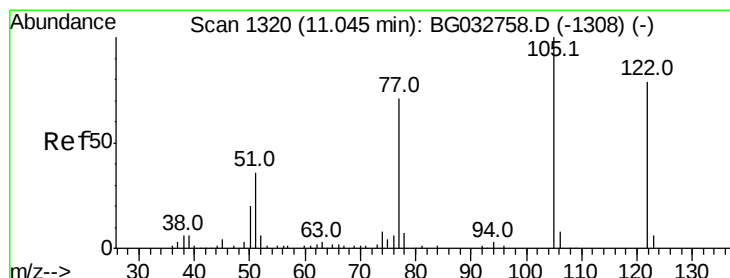
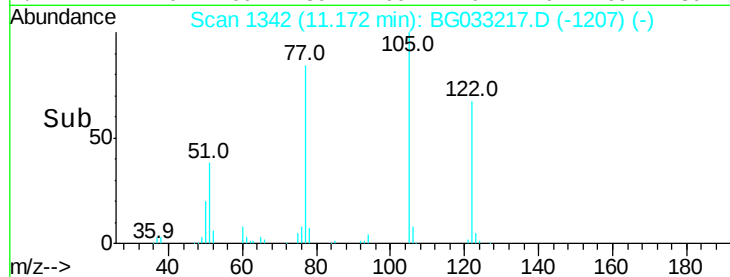
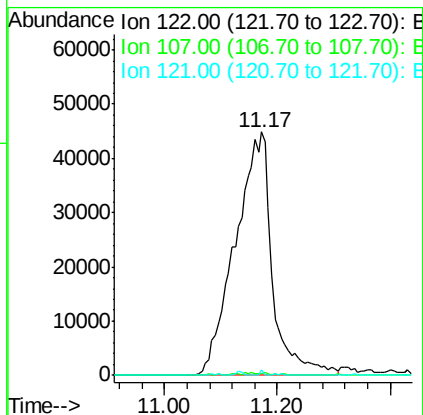
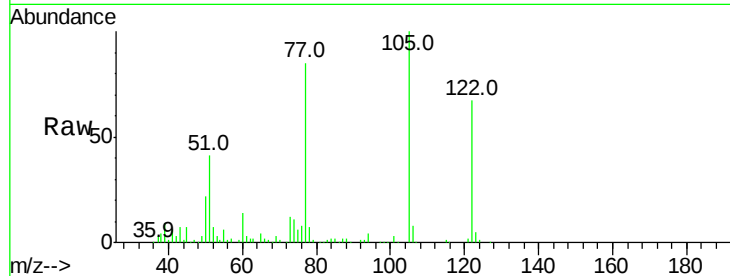




#27
2,4-Dimethylphenol
Concen: 81.937 ng
RT: 11.17 min Scan# 1342
Delta R.T. 0.27 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

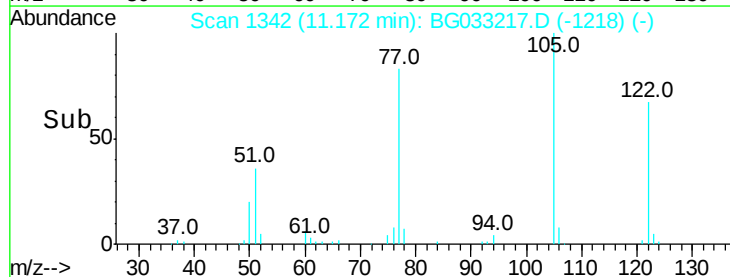
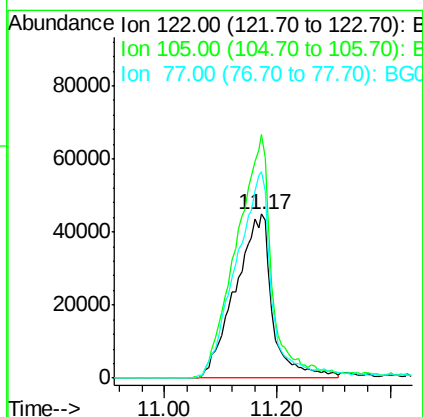
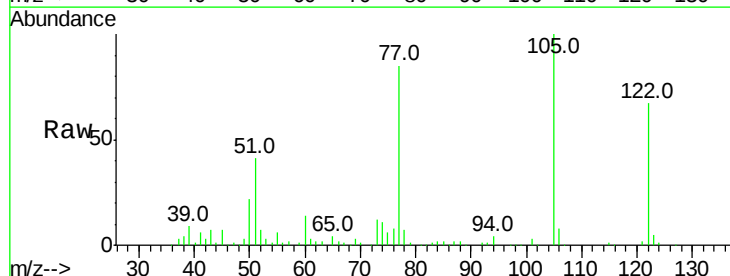
Instrument :
BNA_G
ClientSampleId :
1464-OILY-DEBRIS

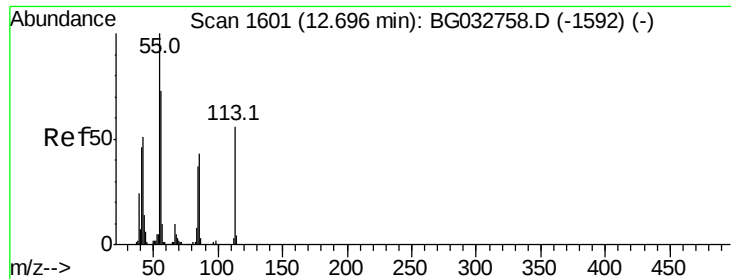
Tot Ion:122 Resp: 204805
Ion Ratio Lower Upper
122 100
107 0.5 100.2 150.2#
121 2.4 44.4 66.6#



#32
Benzoic acid
Concen: 94.069 ng
RT: 11.17 min Scan# 1342
Delta R.T. 0.20 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

Tgt Ion:122 Resp: 204805
Ion Ratio Lower Upper
122 100
105 148.5 123.5 163.5
77 125.7 85.7 125.7#





#35

Caprolactam

Concen: 63.612 ng

RT: 12.48 min Scan# 1564

Delta R.T. -0.22 min

Lab File: BG033217.D

Acq: 17 Mar 2018 4:22

Instrument :

BNA_G

ClientSampleId :

1464-OILY-DEBRIS

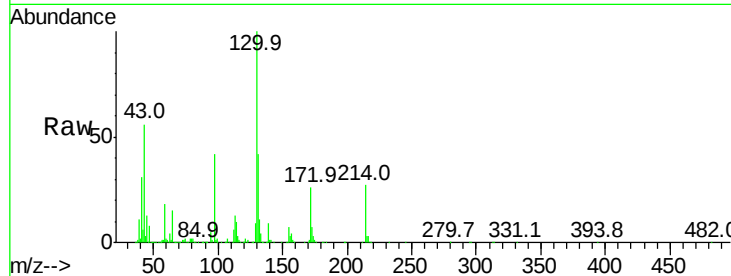
Tot Ion:113 Resp: 57783

Ion Ratio Lower Upper

113 100

55 3.4 186.9 226.9#

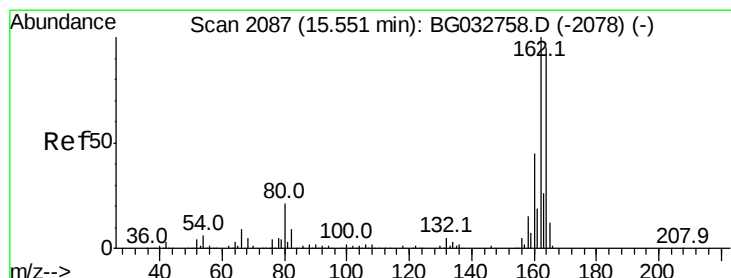
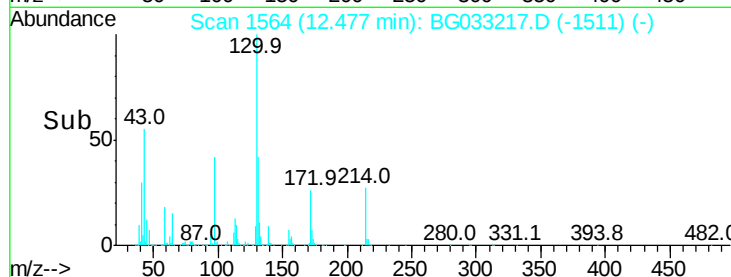
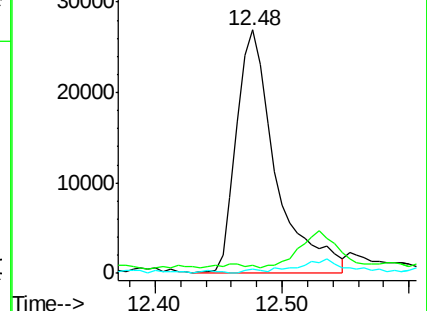
56 1.7 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033217.D

Acq: 17 Mar 2018 4:22

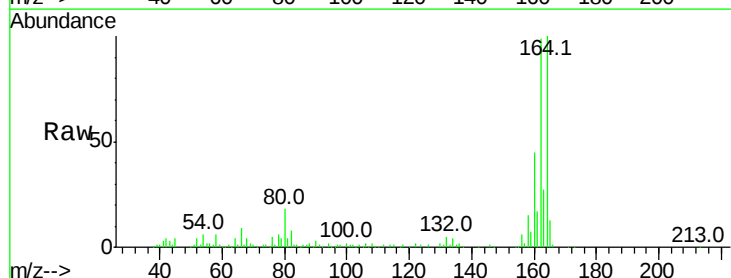
Tgt Ion:164 Resp: 126611

Ion Ratio Lower Upper

164 100

162 98.7 78.8 118.2

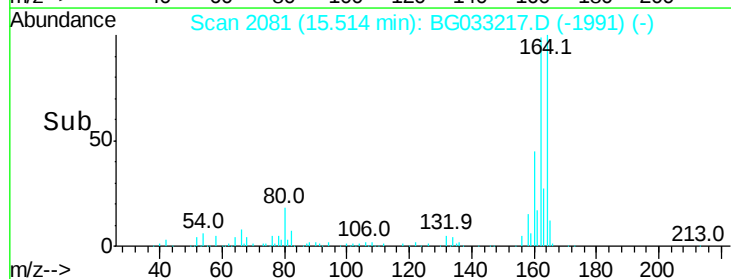
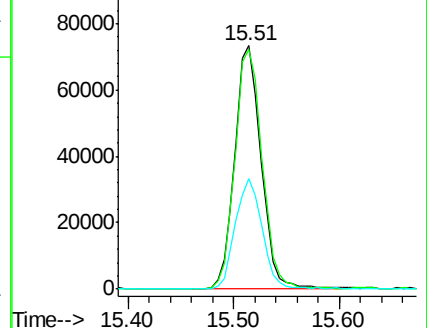
160 45.4 35.4 53.0

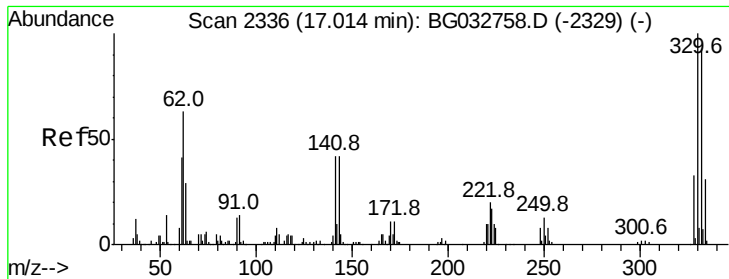


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

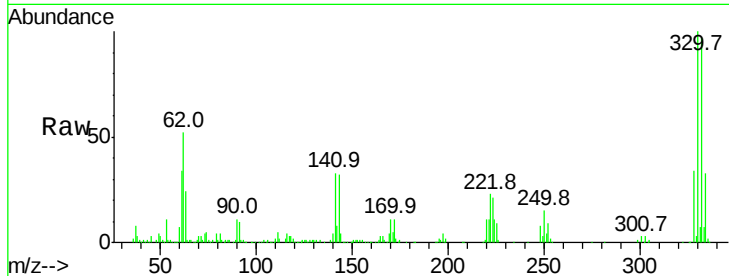




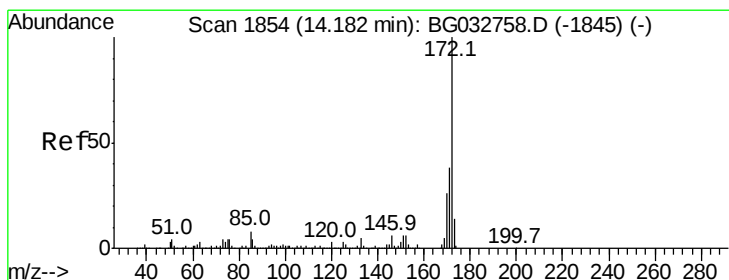
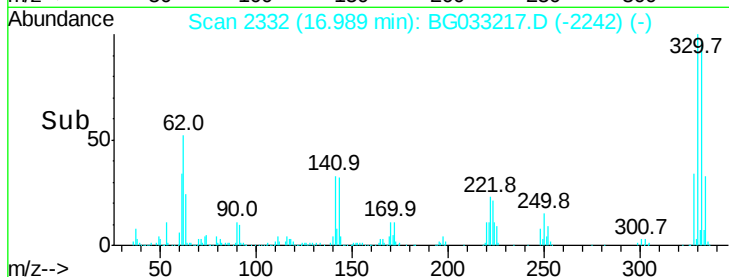
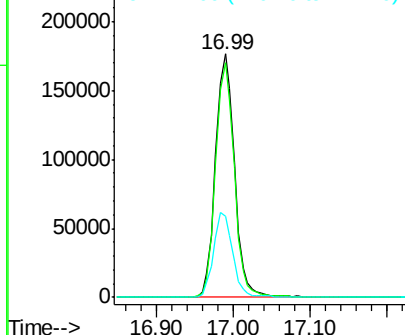
#41
 2,4,6-Tribromophenol
 Concen: 226.482 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033217.D
 Acq: 17 Mar 2018 4:22

Instrument :
 BNA_G
 ClientSampleId :
 1464-OILY-DEBRIS

Tot Ion:330 Resp: 301509
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 34.8 25.2 37.8

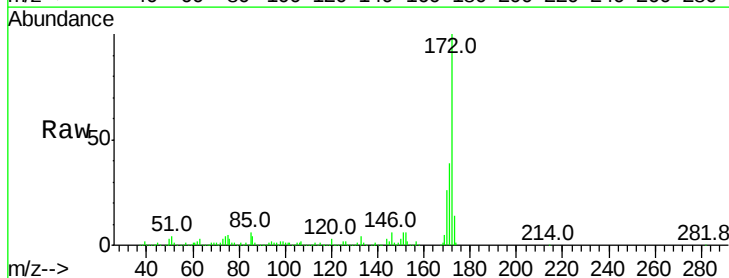


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

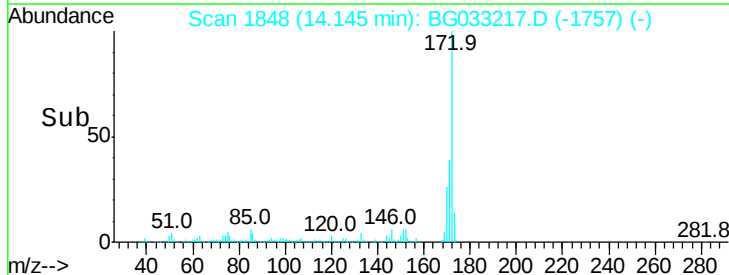
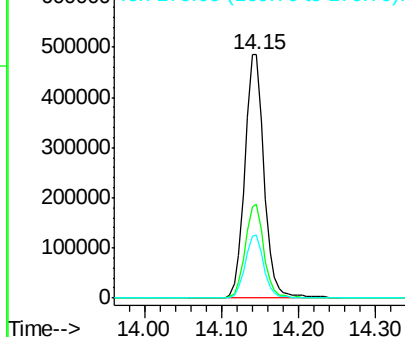


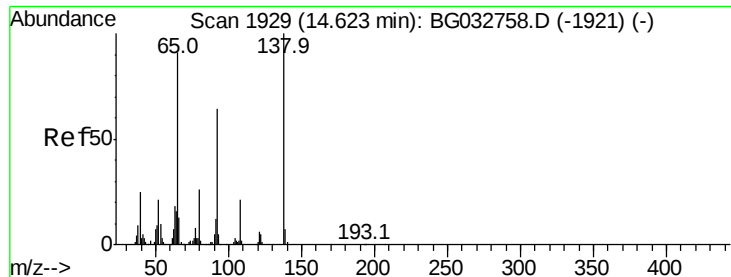
#44
 2-Fluorobiphenyl
 Concen: 97.039 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033217.D
 Acq: 17 Mar 2018 4:22

Tgt Ion:172 Resp: 851875
 Ion Ratio Lower Upper
 172 100
 171 38.6 30.0 45.0
 170 25.9 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

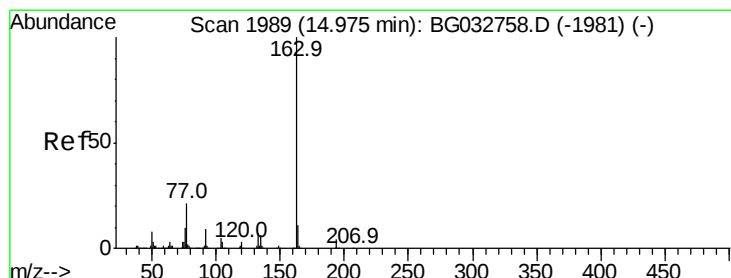
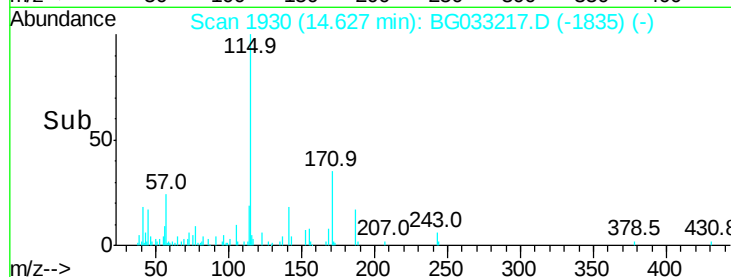
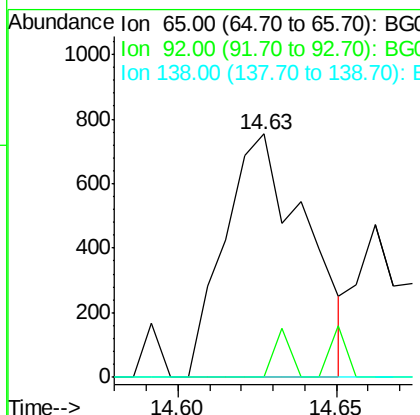
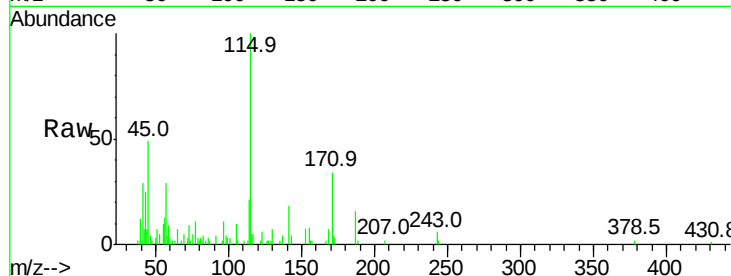




#47
2-Nitroaniline
Concen: 10.349 ng
RT: 14.63 min Scan# 1930
Delta R.T. 0.03 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

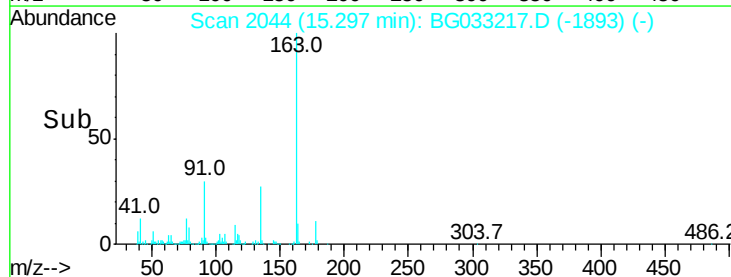
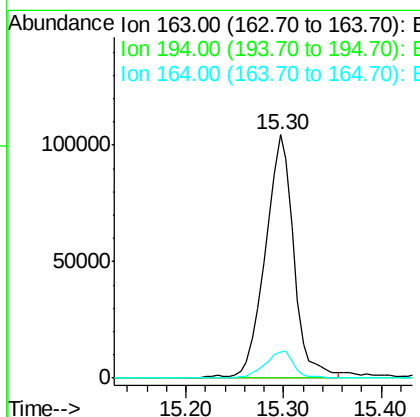
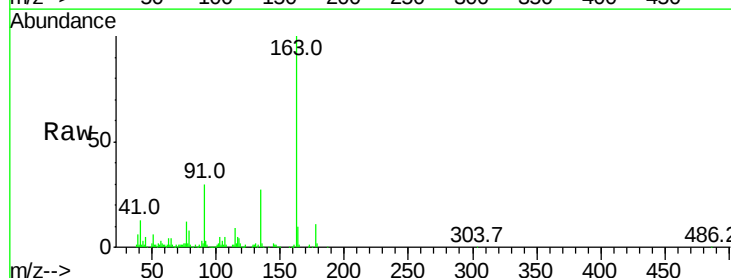
Instrument :
BNA_G
ClientSampleId :
1464-OILY-DEBRIS

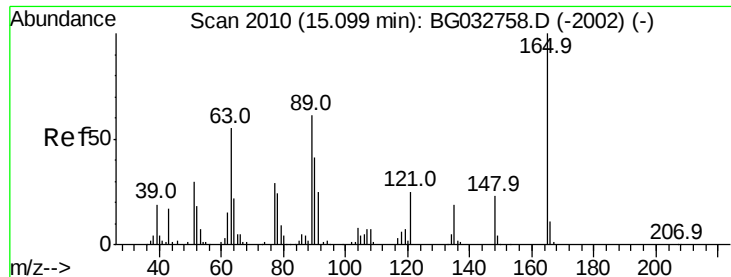
Tot Ion: 65 Resp: 1345
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



#49
Dimethylphthalate
Concen: 19.874 ng
RT: 15.30 min Scan# 2044
Delta R.T. 0.35 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

Tgt Ion:163 Resp: 213656
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.2#
164 10.5 8.2 12.4

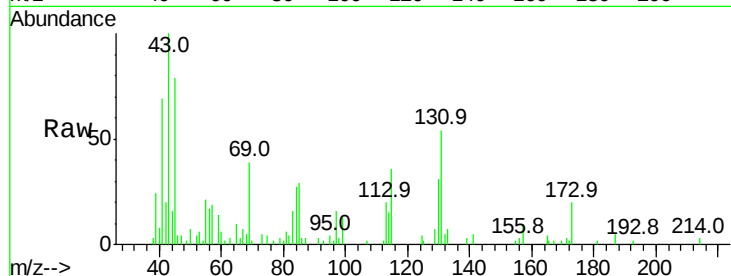




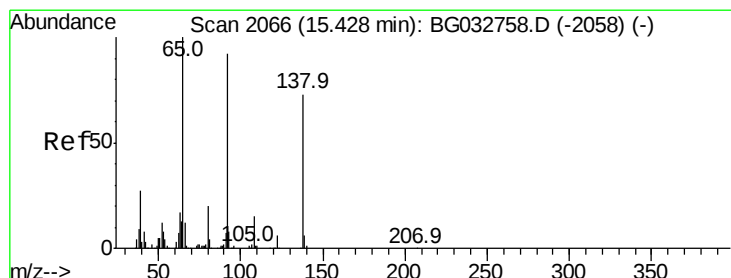
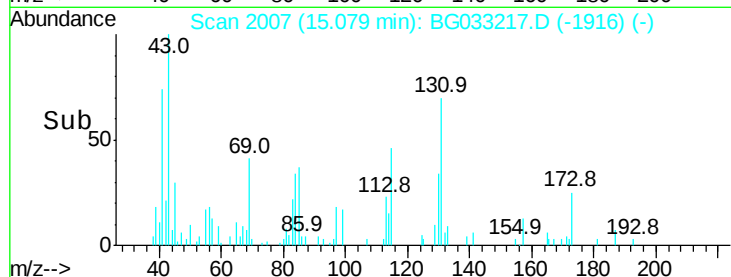
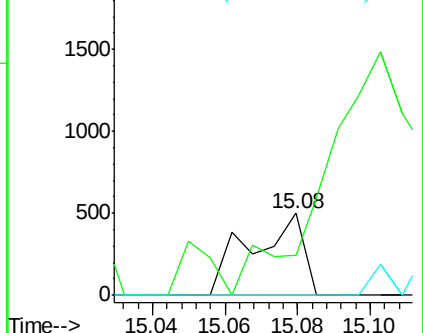
#50
 2,6-Dinitrotoluene
 Concen: 9.131 ng
 RT: 15.08 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BG033217.D
 Acq: 17 Mar 2018 4:22

Instrument :
 BNA_G
 ClientSampleId :
 1464-OILY-DEBRIS

Tot Ion:165 Resp: 508
 Ion Ratio Lower Upper
 165 100
 63 48.7 52.7 79.1#
 89 0.0 49.2 73.8#

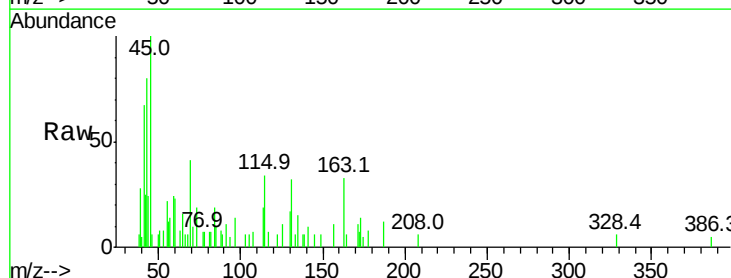


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

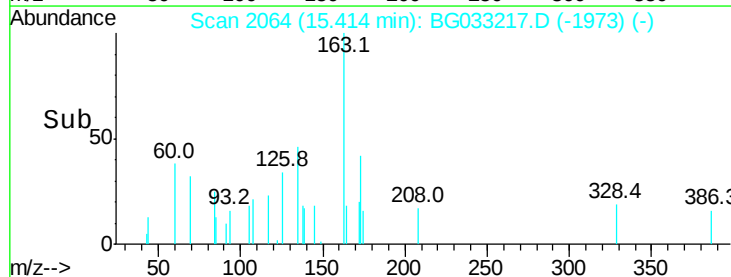
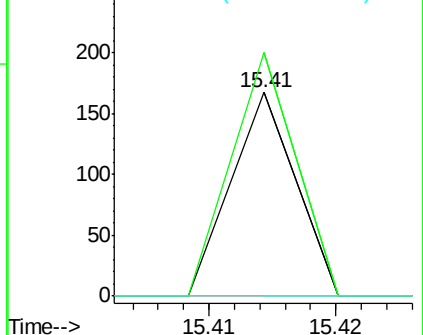


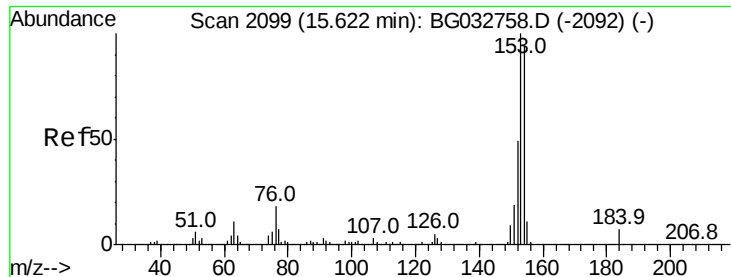
#52
 3-Nitroaniline
 Concen: 7.566 ng
 RT: 15.41 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: BG033217.D
 Acq: 17 Mar 2018 4:22

Tgt Ion:138 Resp: 59
 Ion Ratio Lower Upper
 138 100
 108 119.8 17.5 26.3#
 92 0.0 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BGC

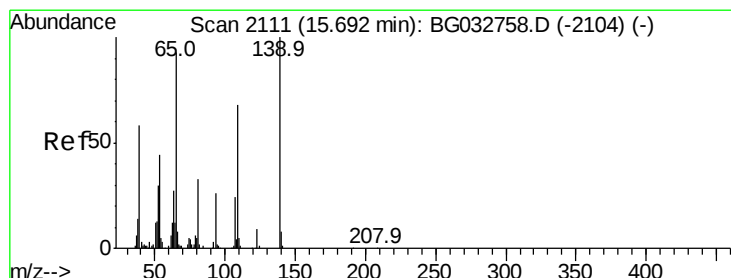
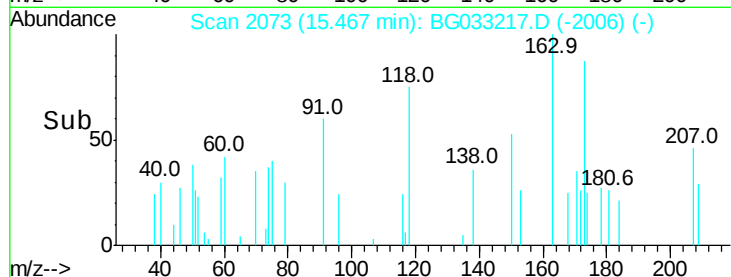
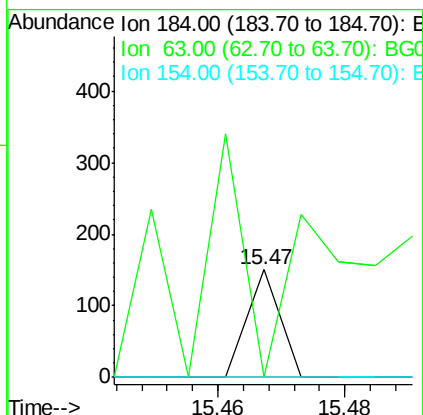
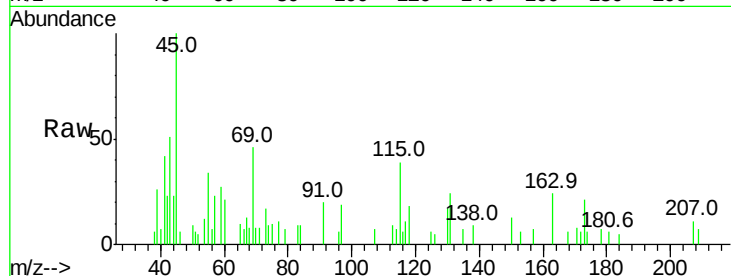




#53
 2,4-Dinitrophenol
 Concen: 3.524 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. -0.14 min
 Lab File: BG033217.D
 Acq: 17 Mar 2018 4:22

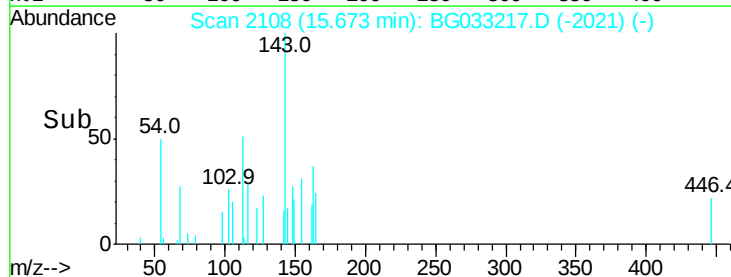
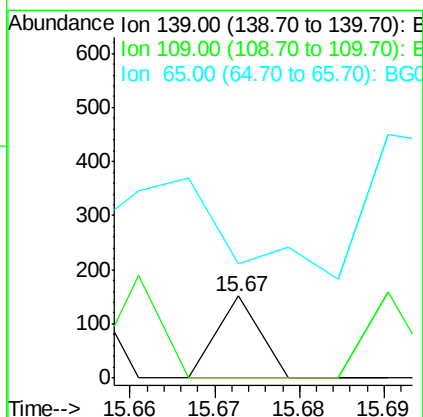
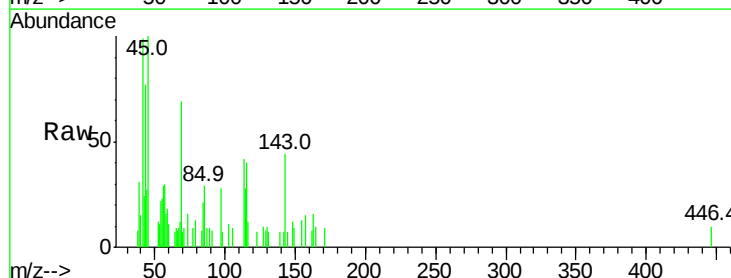
Instrument :
 BNA_G
 ClientSampleId :
 1464-OILY-DEBRIS

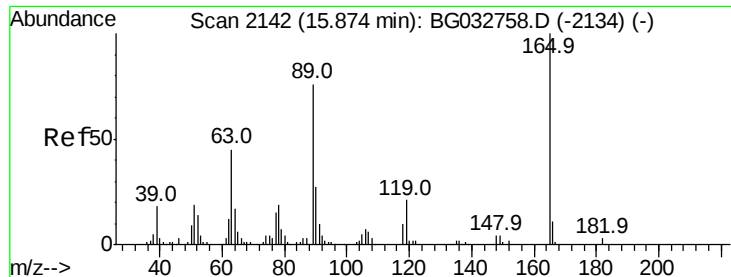
Tot Ion:184 Resp: 53
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#55
 4-Nitrophenol
 Concen: 7.108 ng
 RT: 15.67 min Scan# 2108
 Delta R.T. -0.02 min
 Lab File: BG033217.D
 Acq: 17 Mar 2018 4:22

Tgt Ion:139 Resp: 53
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 139.1 97.2 137.2#

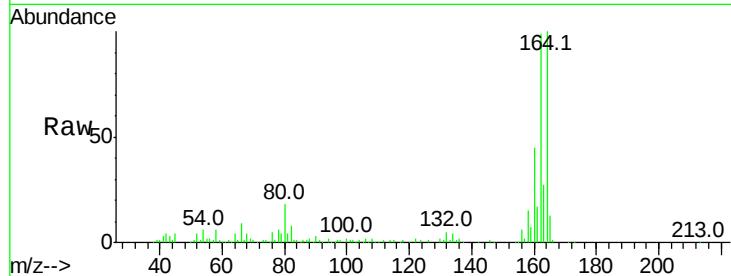




#56
2,4-Dinitrotoluene
Concen: 14.444 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

Instrument :
BNA_G
ClientSampleId :
1464-OILY-DEBRIS

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	42.0	63.0#
89	1.6	66.9	100.3#
182	0.0	2.6	3.8#

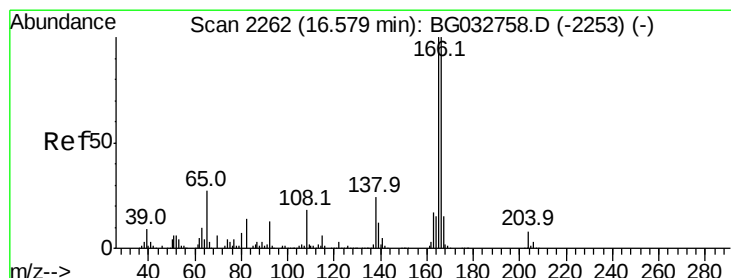
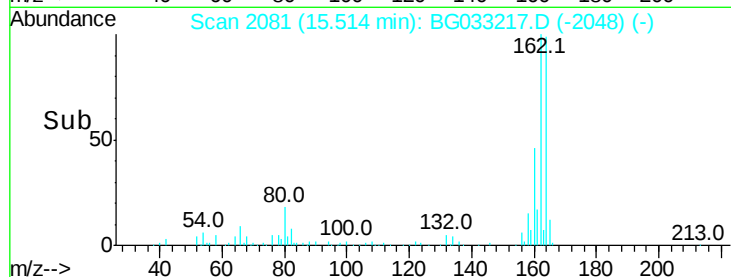
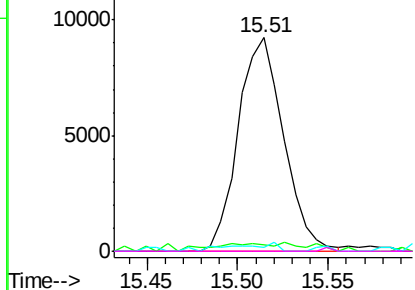


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

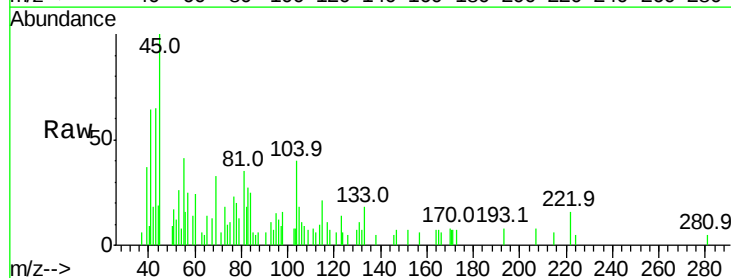
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#61
4-Nitroaniline
Concen: 5.320 ng
RT: 16.54 min Scan# 2255
Delta R.T. -0.03 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

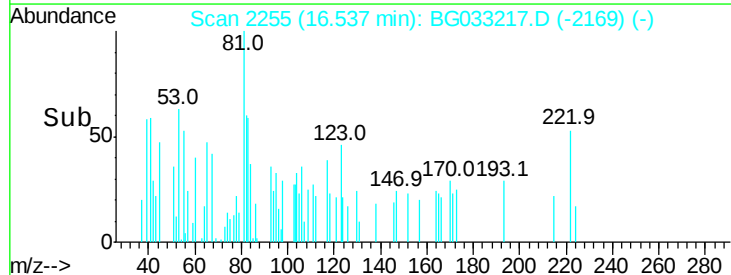
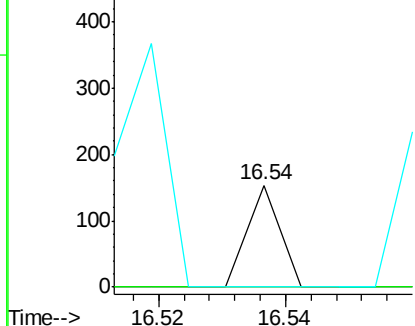
Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	40.1	80.1#
108	0.0	65.4	105.4#

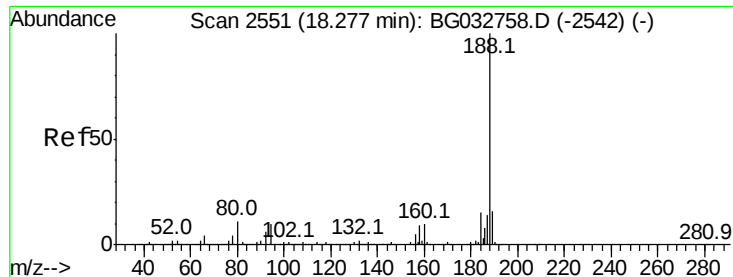


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

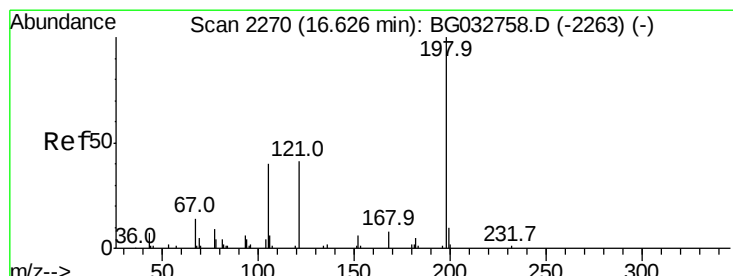
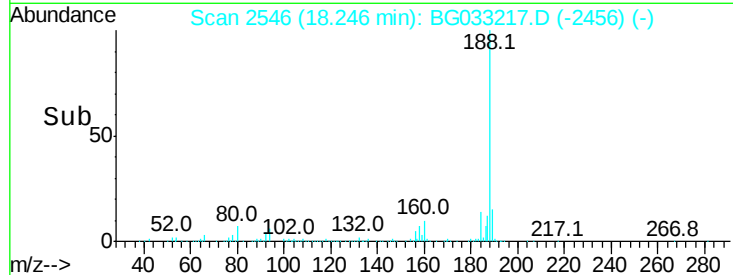
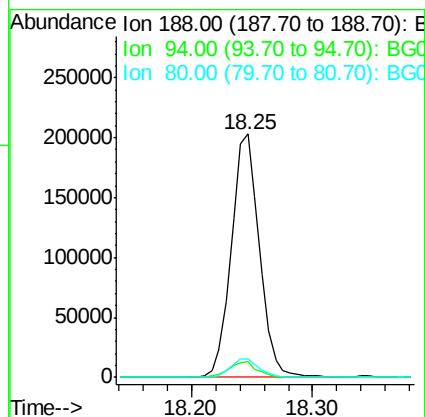
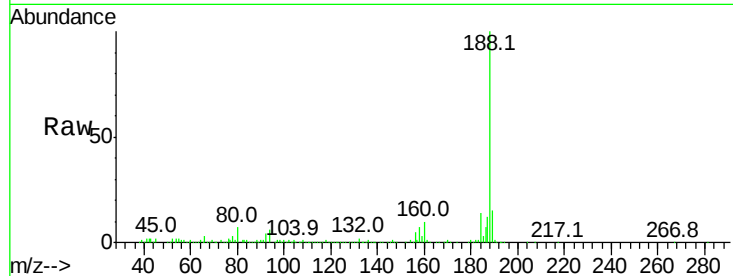




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: BG033217.D
 Acq: 17 Mar 2018 4:22

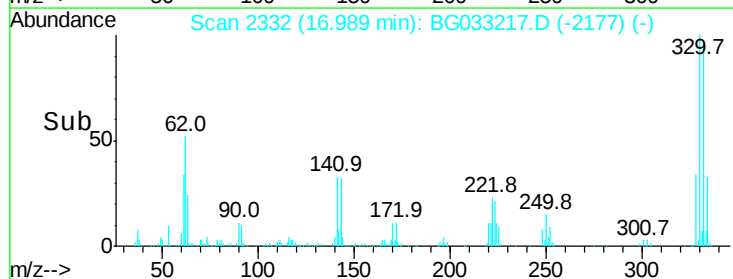
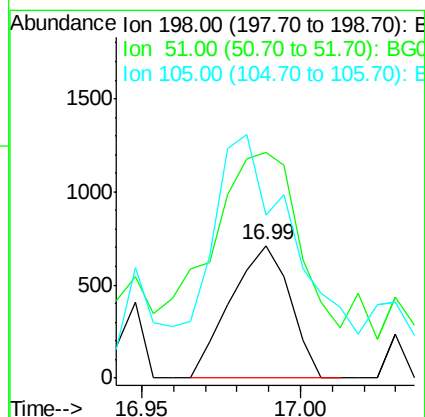
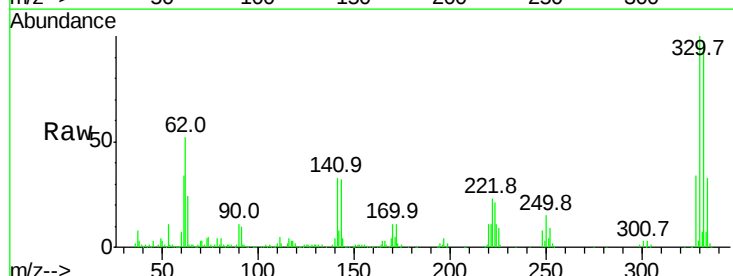
Instrument :
 BNA_G
 ClientSampleId :
 1464-OILY-DEBRIS

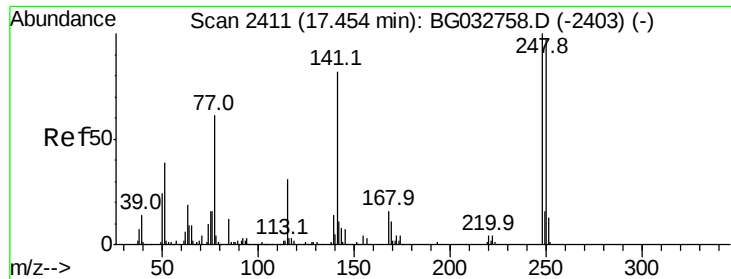
Tot Ion:188 Resp: 328160
 Ion Ratio Lower Upper
 188 100
 94 6.3 6.9 10.3#
 80 7.3 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.147 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.38 min
 Lab File: BG033217.D
 Acq: 17 Mar 2018 4:22

Tgt Ion:198 Resp: 928
 Ion Ratio Lower Upper
 198 100
 51 35.4 30.6 70.6
 105 25.7 23.8 63.8

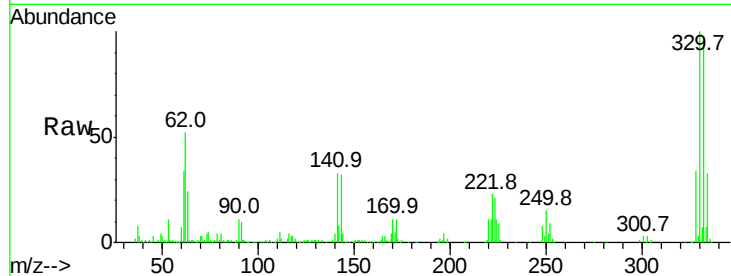




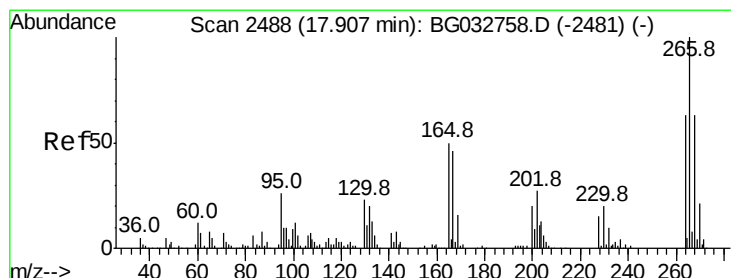
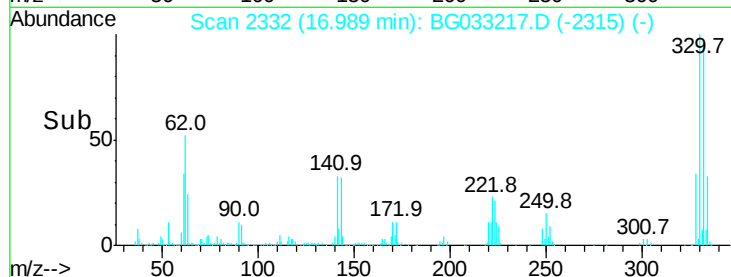
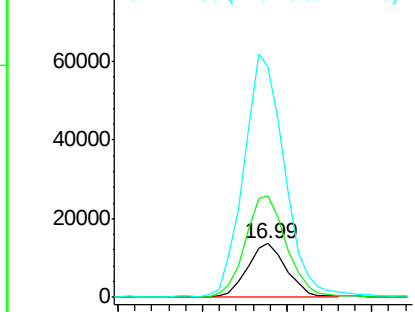
#66
4-Bromophenyl-phenylether
Concen: 6.381 ng
RT: 16.99 min Scan# 2332
Delta R.T. -0.43 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

Instrument :
BNA_G
ClientSampleId :
1464-OILY-DEBRIS

Tot Ion:248 Resp: 22143
Ion Ratio Lower Upper
248 100
250 189.0 77.1 115.7#
141 431.4 50.8 76.2#

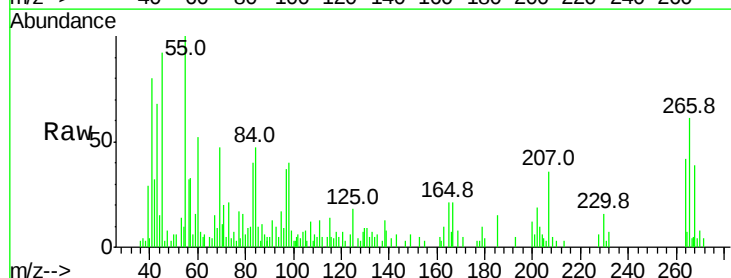


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

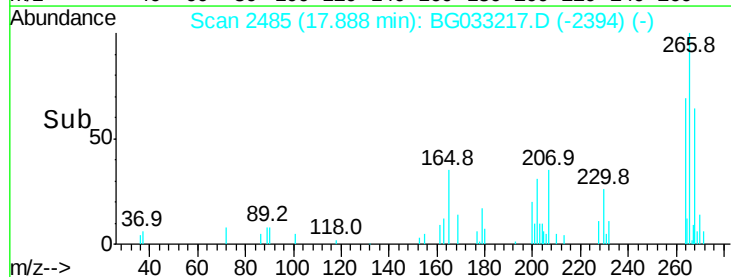
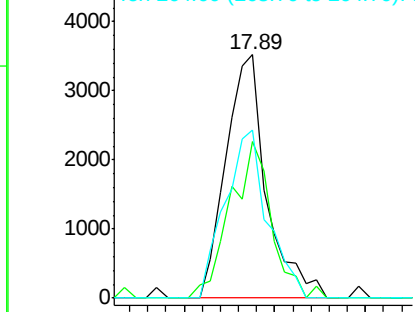


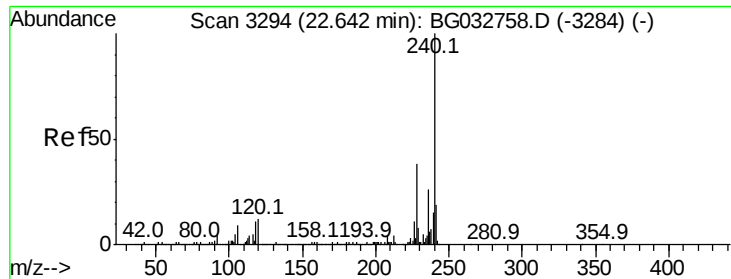
#69
Pentachlorophenol
Concen: 2.324 ng
RT: 17.89 min Scan# 2485
Delta R.T. 0.00 min
Lab File: BG033217.D
Acq: 17 Mar 2018 4:22

Tgt Ion:266 Resp: 5489
Ion Ratio Lower Upper
266 100
268 64.1 51.1 76.7
264 68.8 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BG033217.D

Acq: 17 Mar 2018 4:22

Instrument :

BNA_G

ClientSampleId :

1464-OILY-DEBRIS

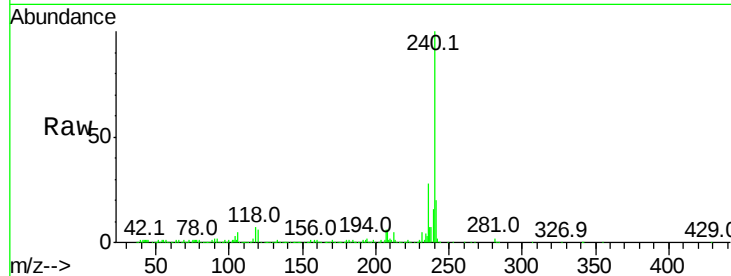
Tot Ion:240 Resp: 340997

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

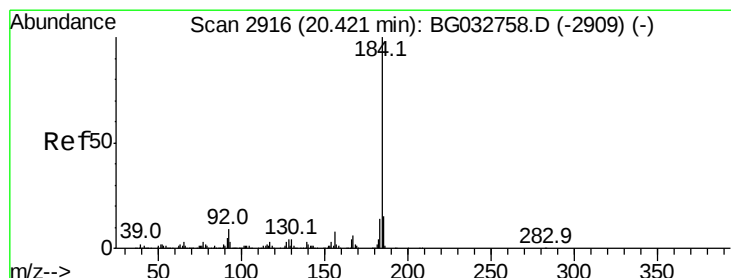
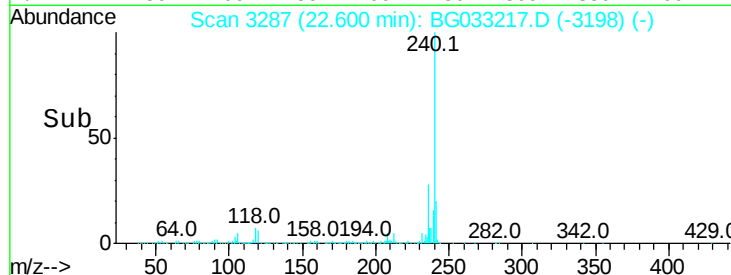
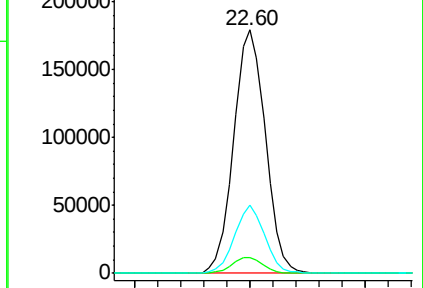
236 28.0 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.291 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033217.D

Acq: 17 Mar 2018 4:22

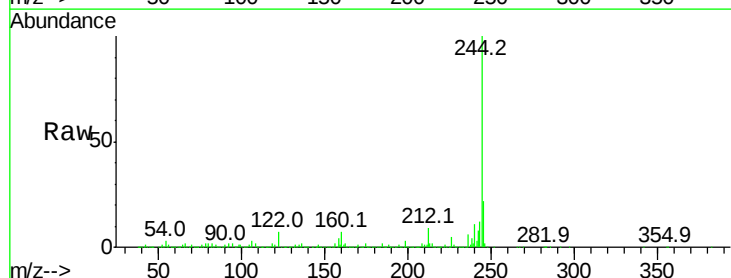
Tgt Ion:184 Resp: 26629

Ion Ratio Lower Upper

184 100

185 20.4 11.1 16.7#

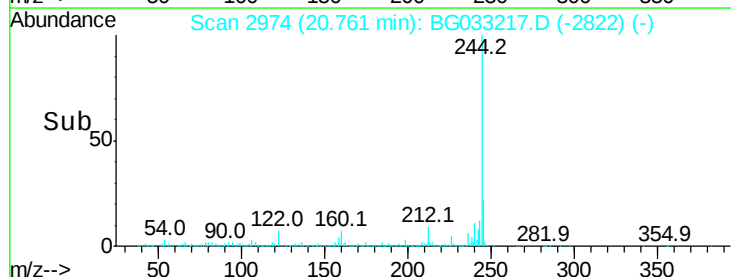
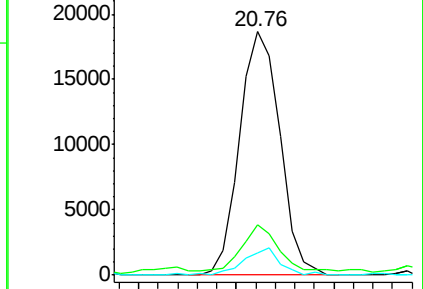
183 9.1 10.6 16.0#

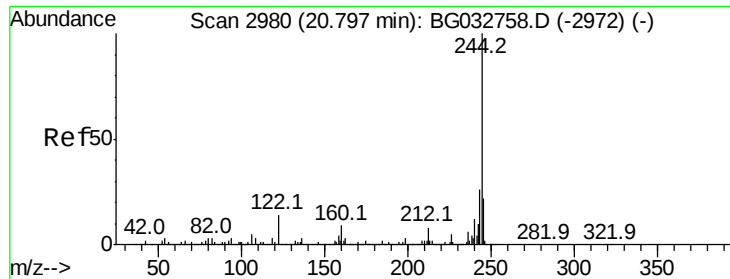


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 104.243 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033217.D

Acq: 17 Mar 2018 4:22

Instrument :

BNA_G

ClientSampleId :

1464-OILY-DEBRIS

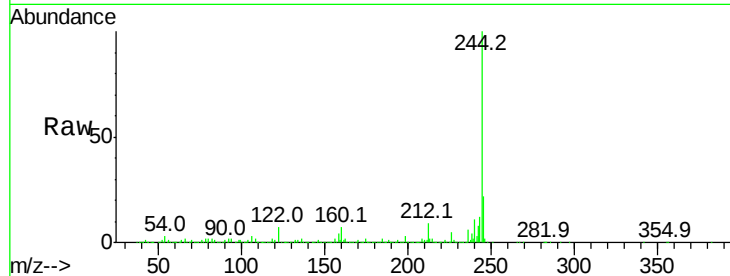
Tot Ion:244 Resp: 1582154

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

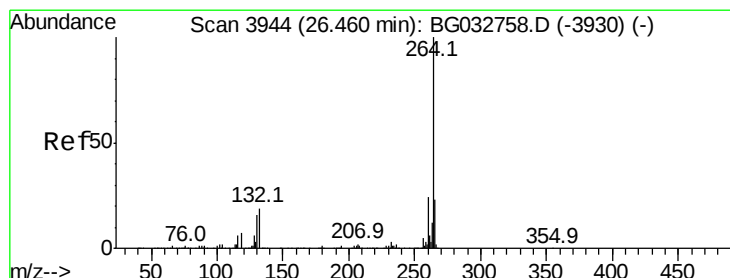
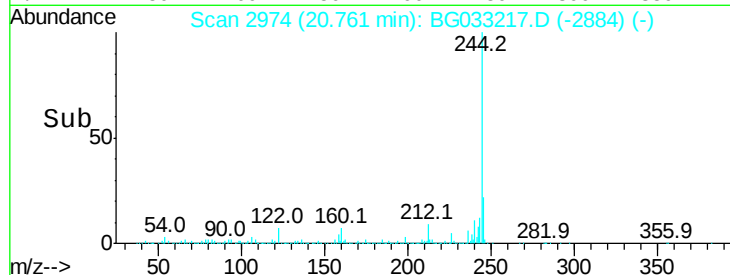
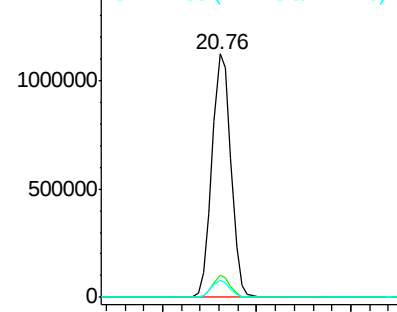
122 7.2 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033217.D

Acq: 17 Mar 2018 4:22

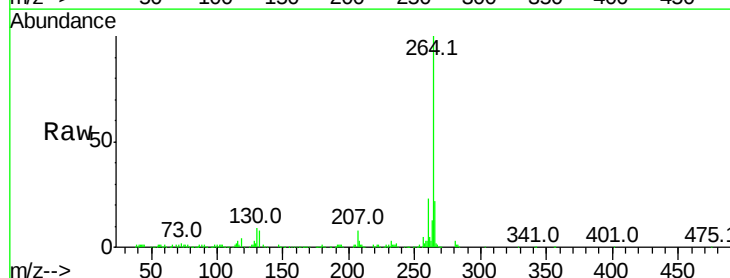
Tgt Ion:264 Resp: 371268

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 21.7 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

